

FIG. 1

Image pickup unit 401
for binning number 1

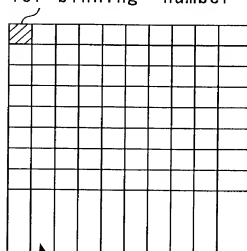


Image pickup
element 42

FIG. 4A

Image pickup unit 402
for binning number 2

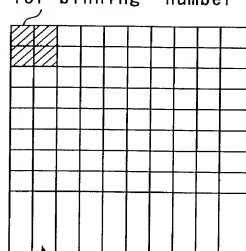


Image pickup
element 42

FIG. 4B

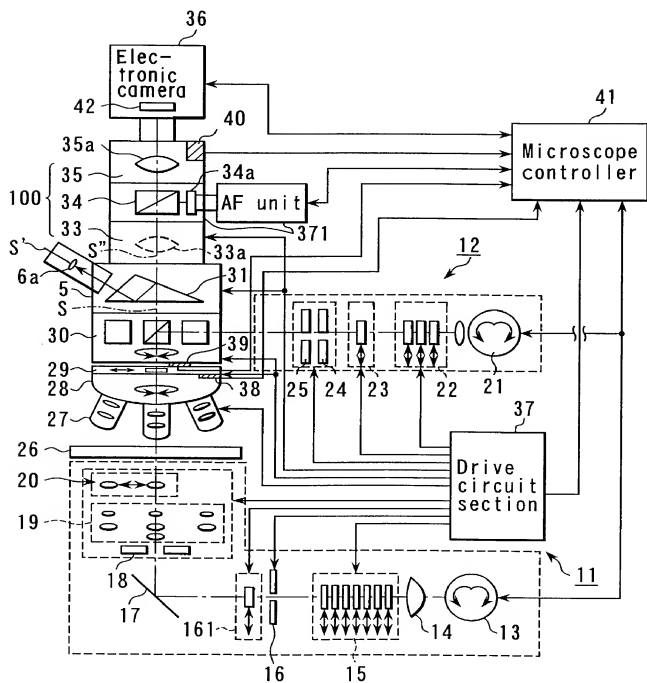
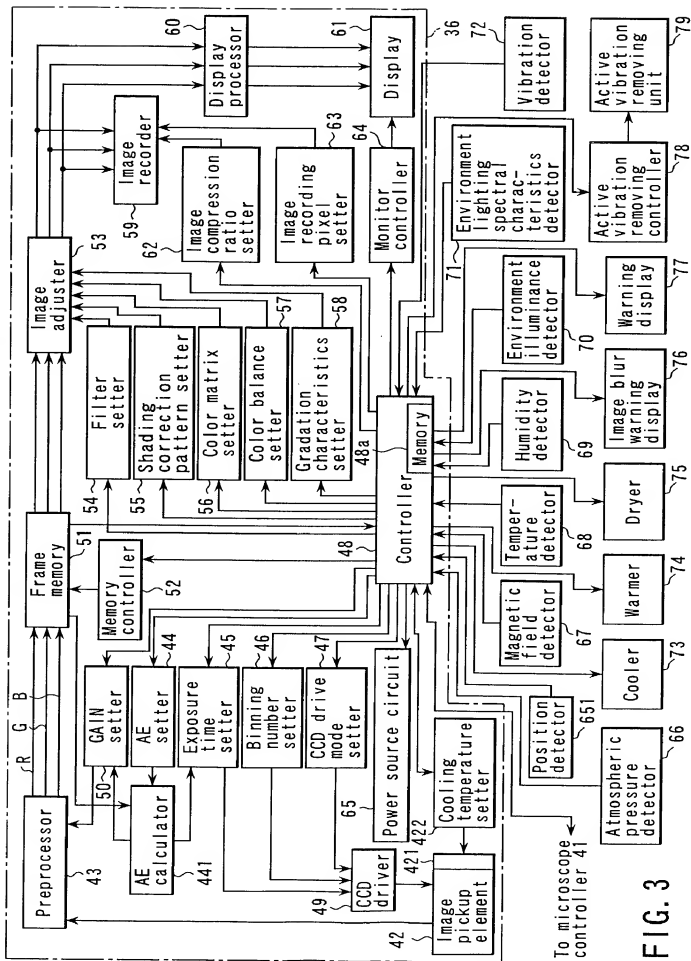


FIG. 2



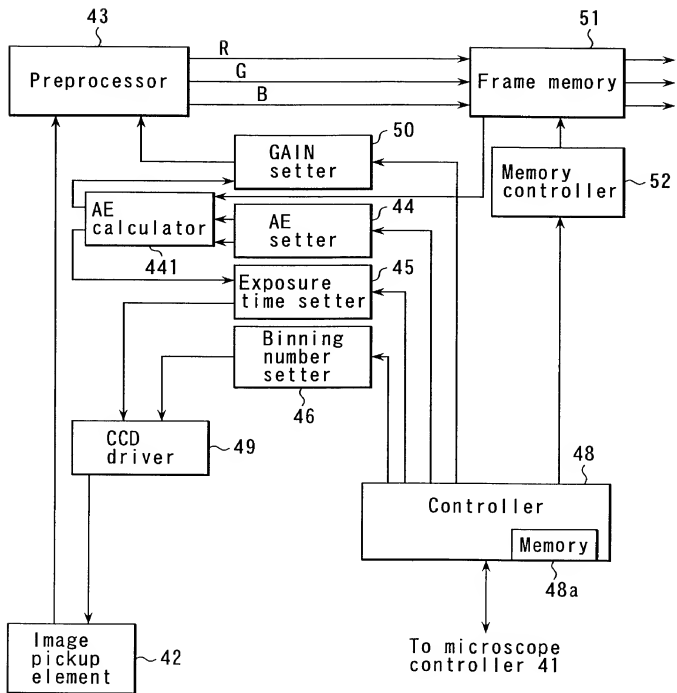


FIG. 5

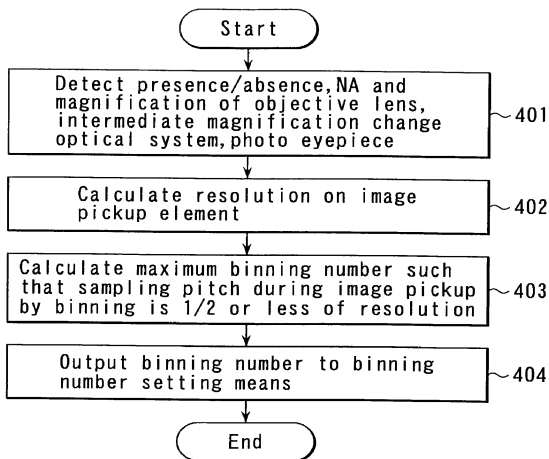


FIG. 6

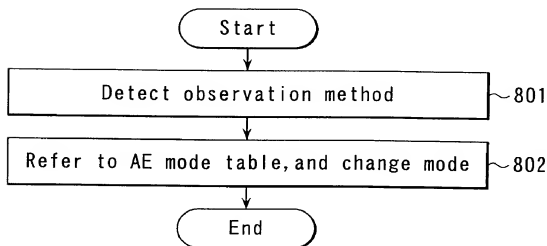


FIG. 7

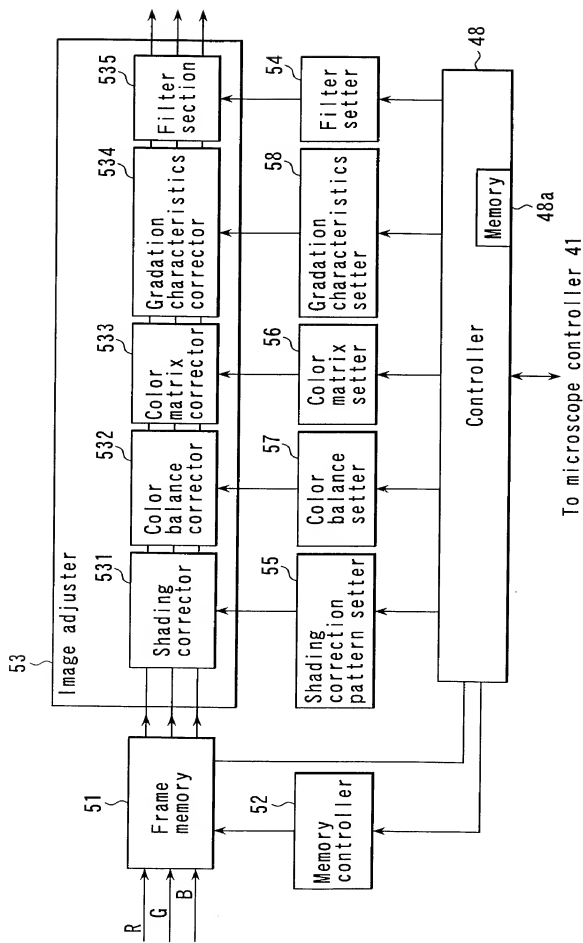


FIG. 8

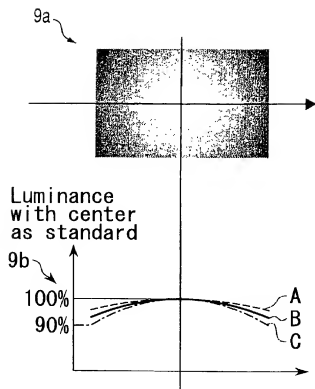


FIG. 9A

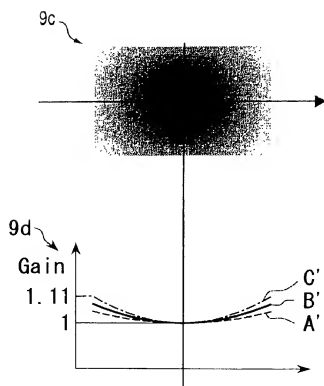


FIG. 9B

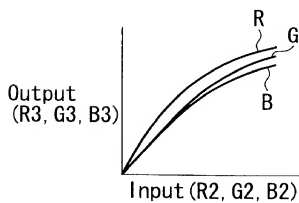


FIG. 10A

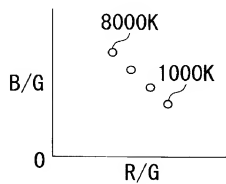


FIG. 10B

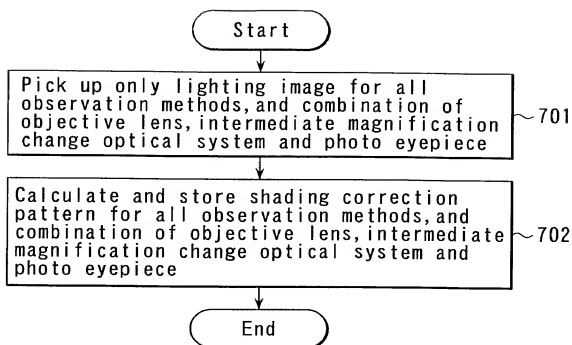


FIG. 11A

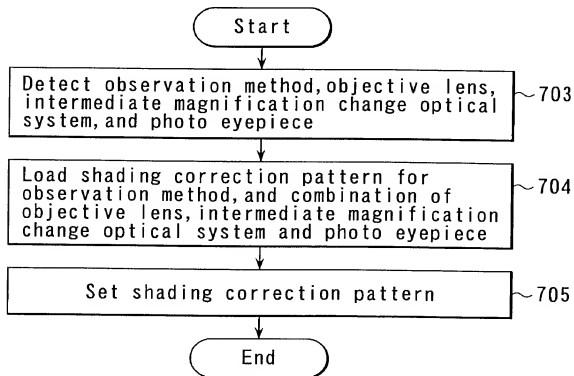


FIG. 11B

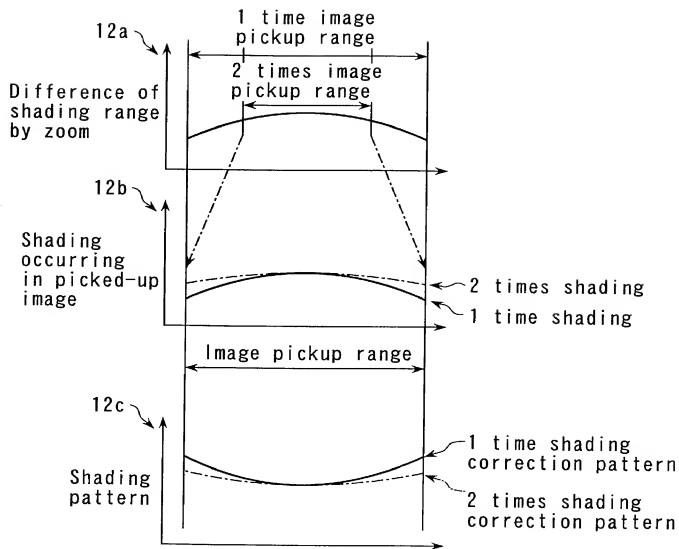


FIG. 12

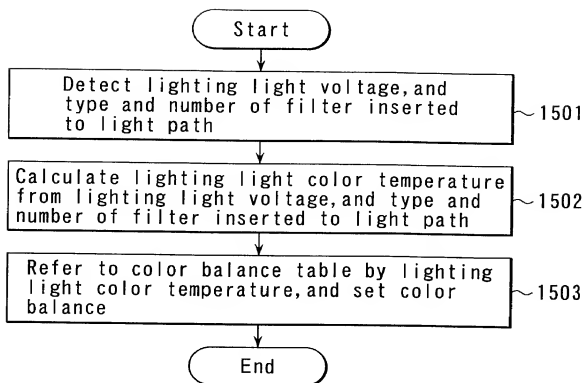


FIG. 13

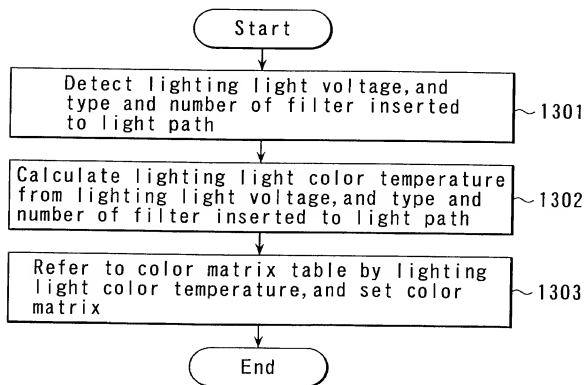


FIG. 14

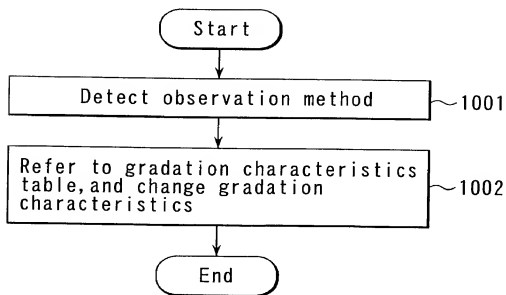
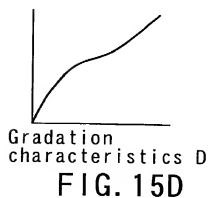
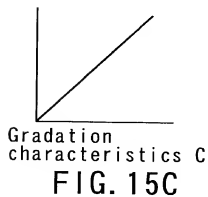
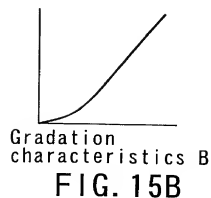
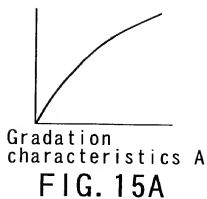


FIG. 16

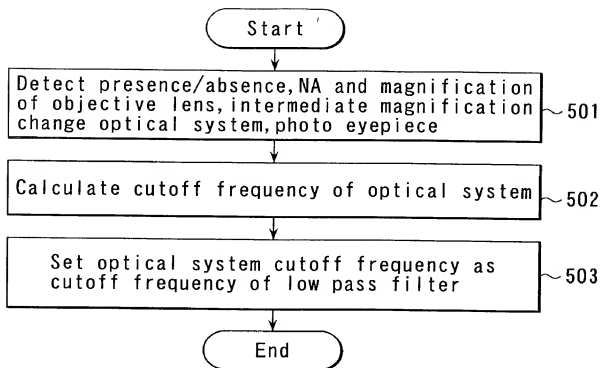


FIG. 17

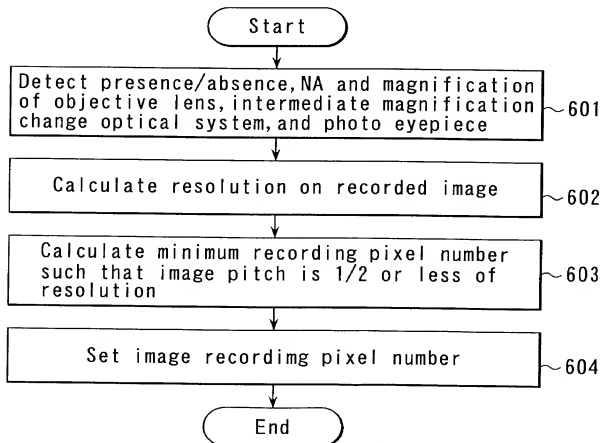


FIG. 19

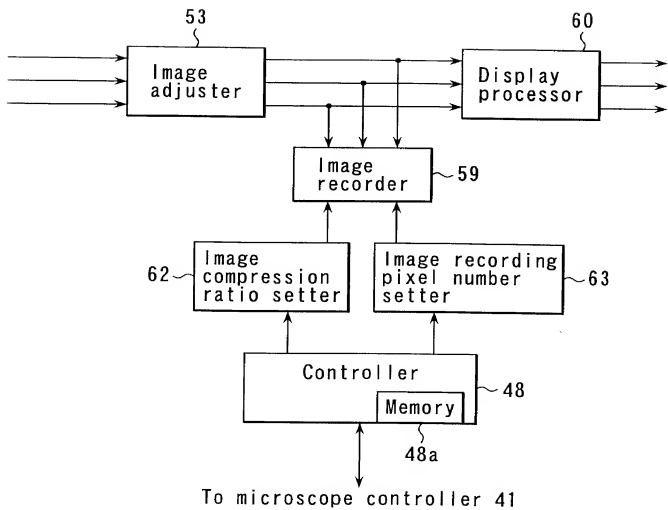


FIG. 18

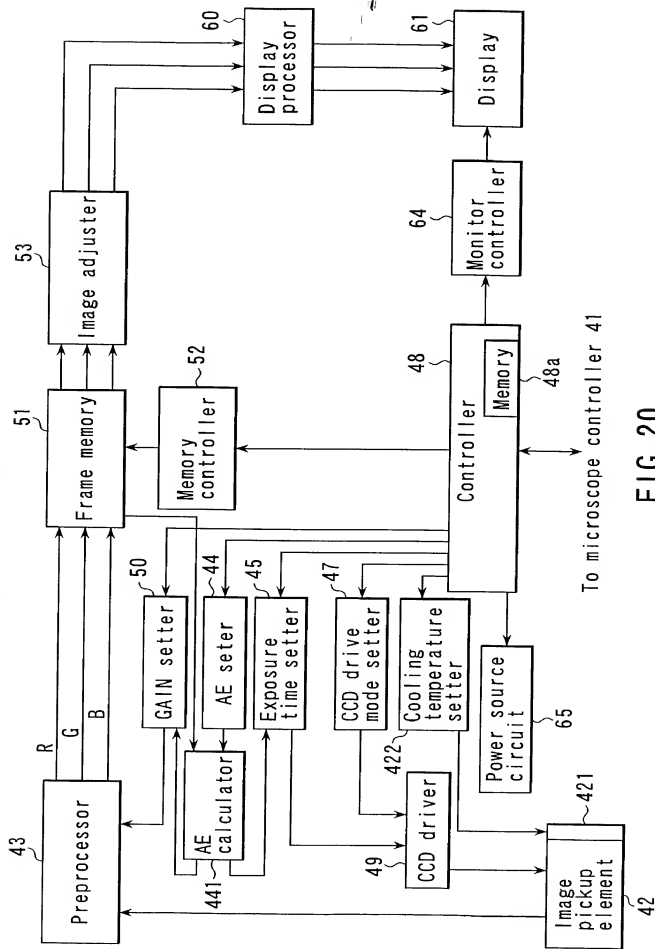


FIG. 20